



PATENT APPLICATION

Applicant(s): John R. MIHALISIN et al.

For: CASTING OF SINGLE CRYSTAL SUPERALLOY ARTICLES WITH REDUCED  
EUTECTIC SCALE AND GRAIN RECRYSTALLIZATION

Serial No.: 10/618 054

Group: 1742

Confirmation No.: 4320

Filed: July 11, 2003

Examiner: Unknown

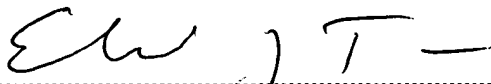
Atty. Docket No.: MP-247C

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

FIRST CLASS MAILING CERTIFICATE

Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service under 37 CFR 1.8 as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 4, 2003.

  
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Correspondence: Information Disclosure Statement (1 page)  
Form PTO-1449 (1 page)  
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PATENT APPLICATION

IN THE U.S. PATENT AND TRADEMARK OFFICE

December 4, 2003

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INFORMATION DISCLOSURE STATEMENT

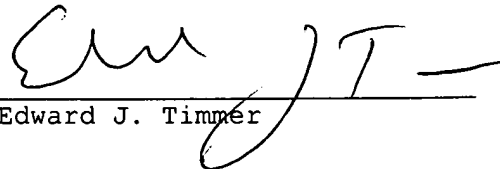
Sir:

This paper provides the Examiner with a list of references considered in parent application serial no. 09/276 858.

Pursuant to MPEP §609, Applicants do not submit copies of the documents that were of record in the parent application as listed on page 1 of the Form PTO-1449. The list is provided so that the information will be printed on the patent. If the Examiner does not have access to the parent application and all of the documents considered in the parent application, please call the undersigned. Courtesy copies of the listed documents will then be provided.

Please consider all of the references, initial the left hand column on the Form PTO-1449, and return a copy of the initialed form per usual USPTO practice.

Respectfully submitted,

  
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INFORMATION  
DISCLOSURE  
CITATION

Applicant : John R. MIHALISIN et al.

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## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date
	209 348	Jun-80	Duhl et al.	148	3	
	4 371 404	Feb-83	Duhl et al.	148	3	
	4 459 160	Jul-84	Meetham et al.	148	3	
	4 488 915	Dec-84	Hill et al.	148	404	
	4 643 782	Feb-87	Harris et al.	148	404	
	4 981 528	Jan-91	Fritzemeier et al.	148	11.5	
	5 100 484	Mar-92	Wukusick et al.	148	20.3	
	5 366 695	Nov-94	Erickson	420	448	
	5 455 120	Oct-95	Walston et al.	148	652	
	5 540 790	Jul-96	Erickson	148	410	
	5 549 765	Aug-96	Mihalisin et al.	148	428	
	5 723 800	Mar-98	Yoshimoto et al.	75	238	
	5 759 301	Jun-98	Konter et al.	148	404	
	5 759 303	Jun-98	Mihalisin et al.	148	428	

## FOREIGN PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Country	Class	Sub Class	Translation Y/N

## OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)


EXAMINER

DATE CONSIDERED

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